

In the claims:

1. (Previously Presented) A filter construction comprising a filter element comprising two pleated filter cloths mounted so that their folds are oppositely directed to form a series of lozenge-sectioned filtration chambers, the end edges of said cloths being clamped by edge strips, one located at each end of the filter, the edge strips being at least as wide as the pleats formed in the filter cloths, the edge strips each being formed as mouldings in the form of generally tubular members which provide rigid side elements, each tubular member having a longitudinal slot in one wall thereof into which the end edge regions of the filter cloth are inserted, and retained by clamping means which press parts of the end regions of the filter cloths against the inner face of said slotted wall to either side of said slot, the clamping means having means bearing on the inner surface of a wall of the tubular member opposite to the slot.
2. (Previously Presented) A filter construction according to claim 1, wherein the clamping member comprises a u-sectioned strip.
3. (Previously Presented) A filter construction according to claim 1, wherein said pleated filter cloths are also secured at top and bottom to top and bottom frame members.
4. (Previously Presented) A filter construction according to claim 3, wherein the top and bottom edges of said pleated filter cloths are encapsulated into moulded top and bottom frame members.
5. (Previously Presented) A filter construction according to claim 4,

further comprising: reinforcing members embedded within the edge strips along a longitudinal axis.

6. (Previously Presented) A filter construction according to claim 5, wherein the reinforcing members comprise rods or profiles made from fibres, glass, carbon, fibres, braid or other textiles of glass, carbon or synthetic material.

7. (Previously Presented) A filter construction according to claim 1, wherein the edge strips each comprise a generally tubular member having a longitudinal slot in one wall thereof into which the end edges of the filter cloths are inserted, and retained by a clamping member.

8. (Canceled)

9. (Previously Presented) A filter construction according to claim 7, wherein the clamping member is provided by an indented part of the opposed side wall which is disposed to press the edge regions of the filter cloths against the inner surface of the slotted side wall of the strip.

10. (Previously Presented) A filter construction according to claim 7, wherein the edge strip is of a generally elliptical cross-section.

11. (Previously Presented) A filter construction according to claim 9, wherein the edge strip is of a generally rectangular cross-section.

12. (Previously Presented) A filter construction according to claim 9,

wherein the edge strip provides a curved slotted wall with flanges extending beyond a generally trapezoidal sectioned part.

13. (Previously Presented) A filter construction according to claim 10, wherein the edge strip is of a waisted oval shape, with opposed faces indented to define a two-lobed cross-sectional shape.

14. (Previously Presented) A filter construction according to claim 1, wherein the edge strips are made of polyurethane resin.

15. (Previously Presented) A filter construction according to claim 4, wherein the edge strips are formed to be complementary so that a plurality of elements can be connected together side to side.

16. (Previously Presented) A filter construction according to claim 15, characterised in that one such edge strip is formed with two ribs which leave a channel therebetween, and a complementary edge strip is formed with a single rib which is dimensioned and shaped so as to fit into the channel.

17. (Previously Presented) A filter construction according to claim 16, wherein similar interconnectable parts are provided on the top and bottom frame members.

18. (Previously Presented) A filter construction according to Claim 1, further comprising:

reinforcing members embedded within the edge strips along a

longitudinal axis; and

reinforcing members embedded within the top and bottom frame members.

19. (Previously Presented) A filter construction according to Claim 5, wherein the frame members are at least as wide as the pleats formed in the filter clothes

20. (Previously Presented) A filter construction, comprising:

a filter element comprising two pleated filter cloths mounted so that their folds are oppositely directed to form a series of lozenge-sectioned filtration chambers;

end edges of said cloths being clamped by at least two edge strips, one edge strip located at each end of the filter, the edge strips being at least as wide as the pleats formed in the filter cloths, the edge strips each being formed as mouldings in the form of generally tubular members, each tubular member having a longitudinal slot in one wall thereof into which the end edge regions of the filter cloth are inserted, and retained by clamping means which press parts of the end regions of the filter cloths against the inner face of said slotted wall to either side of said slot, the clamping means having means bearing on the inner surface of a wall of the tubular member opposite to the slot;

reinforcing members embedded within the edge strips along a longitudinal axis;  
and

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top and bottom edges of said cloths are secured to top and bottom frame members, the frame members being at least as wide as the pleats formed in the filter cloths.